

Papaya Statistics

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The Hawaii Agricultural Statistics Service (HASS) is responsible for the collection and dissemination of statistical data for the state's papaya crop. In that regard, HASS publishes a monthly report as well as comprehensive annual statistics. The monthly release concentrates on utilization, acreage, and preliminary prices. The annual statistics include the average number of farms, harvested acreage, and utilization, price, and value of production. Additionally, monthly historical data are also displayed (see Appendix Tables 1-3 and Figure 1). I will go over the annual statistics for 1992 before moving on to other aspects of HASS's papaya estimating program.

Annual Statistics

Appendix Tables 4 and 5 will appear in the annual *Statistics of Hawaiian Agriculture*, 1992, which will go to print before the end of September, 1993. We have crammed just about all we can into these tables, so it takes a while to digest it all.

In Appendix Table 4 the really important figures are in the top portion, particularly the utilized production, price, and value. Despite the good production year, a reduction of 8.3¢ per pound in the fresh price was more than enough to offset a 29 percent increase in production, thus limiting the value of production. Utilized production totaled 71.3 million pounds, about in line with most years in the five-year period. However, the telling figure is the large amount processed papaya (15.5 million lb and highest on record), more than double the 1991 total, and that amount brought only 3¢ per lb to growers and is the main reason that the value of production wasn't higher. Appendix Table 5 contains monthly acreage, utilization, and price statistics for the five-year period. Annual acreage is an average of the 12 months.

Figure 2 shows the total fresh utilization for the past five years. The highest fresh utilization for the period was in 1989 when 64 million pounds of fresh papayas were sold. Prices were lower than a year earlier: 25¢ for fresh utilization compared with 33¢ for 1991. The bottom line is that the crop is valued at \$14.4 million, down 11 percent.

Distribution

As everyone knows, the overwhelming majority of papayas are grown on the Big Island, but that doesn't mean the rest of the islands aren't making waves.

Table 1. Papaya utilized production, by island, 1988-92.

| Year | 1988 | 1989 | 1990 | 1991 | 1992 |
|--------------|---------|-------|-------|-------|-------|
| | Percent | | | | |
| Hawaii | 96.2 | 97.4 | 97.9 | 97.0 | 96.0 |
| Kauai | 2.0 | 1.3 | 1.2 | 1.3 | 1.6 |
| Maui/Molokai | 0.1 | 0.2 | 0.3 | 0.4 | 0.3 |
| Oahu | 1.7 | 1.1 | 0.6 | 1.4 | 2.1 |
| State | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Kauai

You may have heard the old saying that there are lies, damn lies, and statistics. You may also have heard of the book *How to Lie With Statistics*. This is a good example. Kauai experienced a 63 percent increase in their 1992 production, and still lost their entire crop to Hurricane Iniki. For the record, acreage was up some, but yields averaged 8,200 pounds per acre more than a year earlier. Lower prices kept the value down.

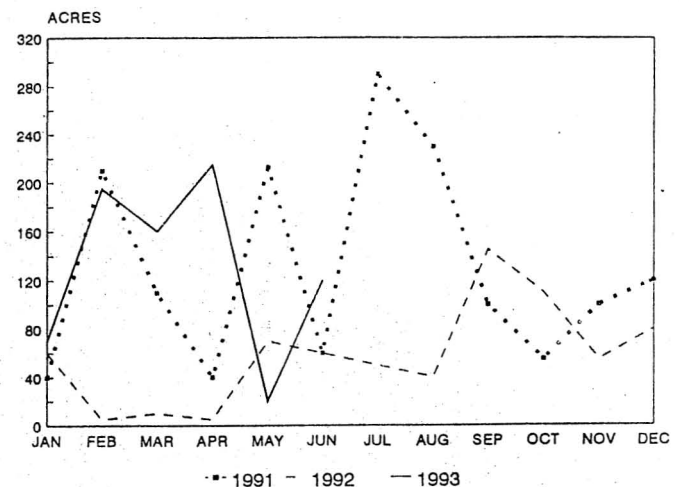


Figure 1. State papaya acreage planted, 1991-1993.

MILLION POUNDS

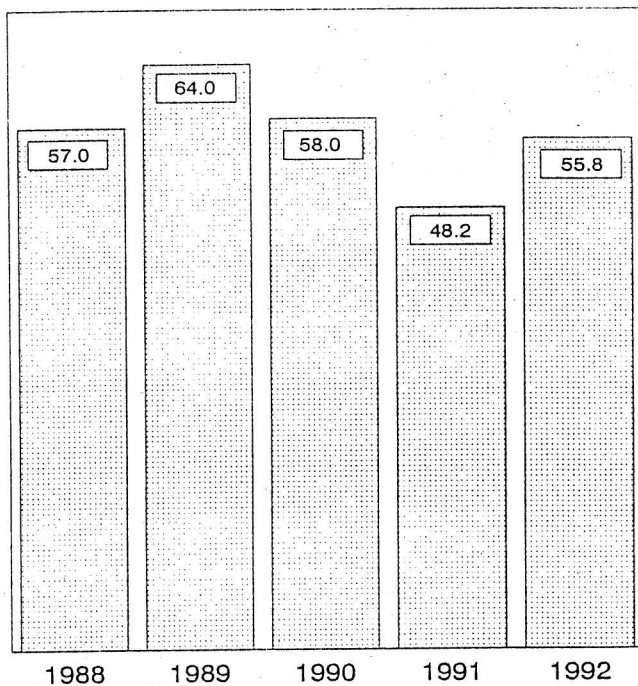


Figure 2. Total fresh papaya utilization, State of Hawaii, 1988 – 1992.

MILLION POUNDS

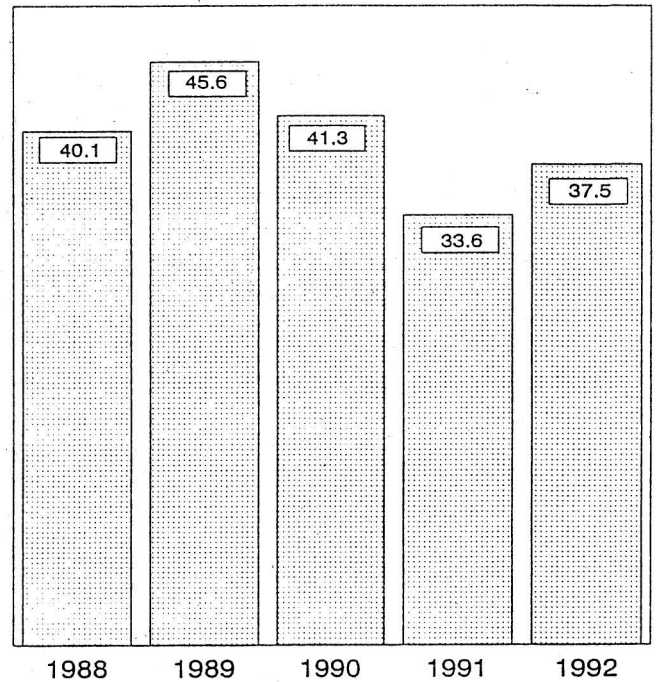


Figure 4. Fresh papaya outshipments, State of Hawaii, 1988 – 1992.

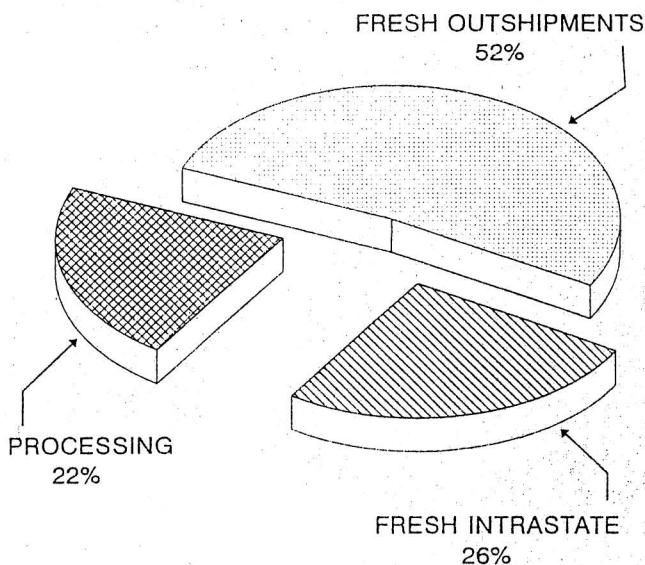


Figure 3. Utilized papaya production, State of Hawaii, 1992.

Oahu

Production nearly doubled in 1992 on the strength of a substantial boost in acreage and a higher yield. Like Kauai, prices were lower which tempered the increase in value.

Maui/Molokai

Statistically, very stable in 1992. Disclosure prevents the publication of individual data.

Looking at the distribution of utilized production and value, it is easy to see how much the Big Island dominates the industry, but the two charts for production and value show that Kauai and Oahu made their best showing of the past five years in 1992.

Table 2 illustrates island breakdowns for the value of utilized production for the past five years. The same relationships exist as for the utilized production total. Kauai and Oahu show up better here because average prices on these two islands were higher than the Big Island.

Another way of looking at the 71.3 million pounds of utilized production is the pie chart (Figure 3) which indicates the portion shipped

Table 2. Papaya value of utilized production, distribution by island, 1988-92.

| Year | 1988 | 1989 | 1990 | 1991 | 1992 |
|--------|---------|-------|-------|-------|-------|
| | Percent | | | | |
| Hawaii | 94.4 | 96.2 | 96.5 | 95.2 | 92.6 |
| Kauai | 3.0 | 2.0 | 2.4 | 2.3 | 3.0 |
| Oahu | 2.6 | 1.8 | 1.1 | 2.5 | 4.4 |
| State | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

fresh out of the state, amount processed, and local fresh sales.

Out of the total production were 55.8 million pounds that were sold fresh. The bar chart (Figure 2) indicates that the 1992 totals were nearly the same as two other years for the five-year period.

Outshipments

Figure 4 indicates that outshipments follow the same pattern as the fresh utilization, as the percent of fresh utilization that is shipped out of state stays fairly constant for three of the five years. During the five-year period the rate varied from 67 to 71 percent. Outshipments have trended downward during the past several years, with the lost outshipment tonnage being consumed mostly in Hawaii.

Outshipments by Destination

Virtually all outshipments are to the mainland U.S., Japan, and Canada. Table 3 shows how the 37.5 million pounds shipped out of state were allocated in 1992. There were an additional 15,000

Table 3. Papaya outshipments by destination, 1992.

| Destination | Million lb | Percent |
|-------------|------------|---------|
| Mainland | 20.9 | 56 |
| Canada | 4.3 | 11 |
| Japan | 12.3 | 33 |
| Total | 37.5 | 100 |

Source: Papaya Administrative Committee

lb not shown that went to "other destinations."

Figure 5 quantifies the amounts discussed above. The second pie chart, Figure 6, shows the same data but expressed in percentages.

Imports

It is difficult to get a line on actual imports, as the U.S. Department of Commerce wants about \$2,300 to subscribe to their quarterly CD-ROM import/export data, and I'm having a hard time convincing NASS to come up with the money. I'm requesting them to negotiate an agency-wide subscription in headquarters to help us and other NASS state offices share the cost.

Total imports of papayas and papaya products amounted to \$10.2 million in 1992. This included \$6.7 million of fresh papayas, most of which came from Mexico, although there were some Caribbean countries involved as well. The other \$3.5 million came from dried, pulp, frozen, puree, and other preparations and preserves.

I think we can safely say that Mexico is a major competitor of Hawaii papayas, and this will

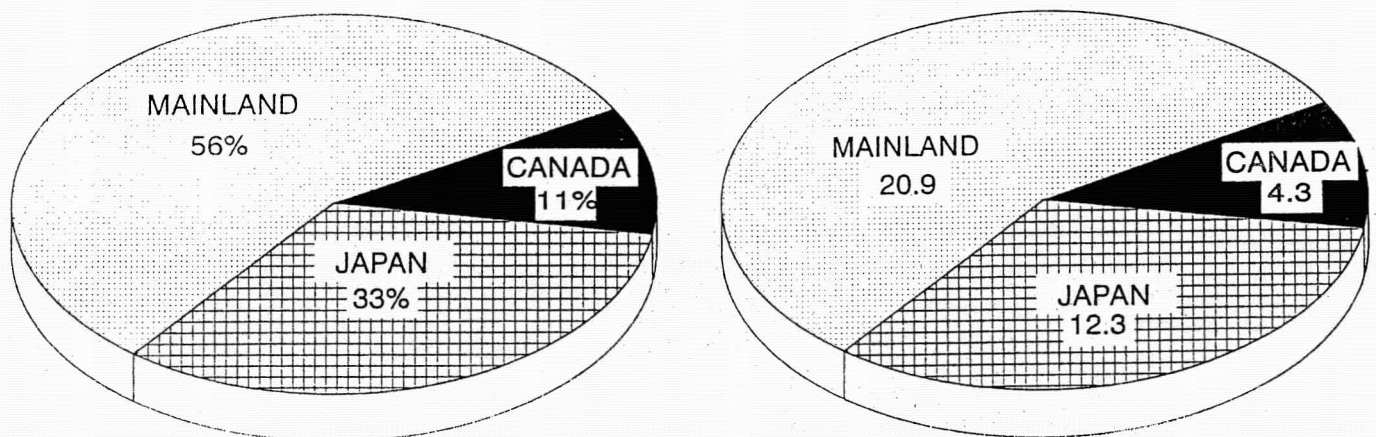


Figure 5. Papaya outshipments by destination; percent distribution (left) and million pounds (right).

probably not diminish, especially with the coming of NAFTA. Mexico, from which the U.S. imported one third of all its fresh fruit and vegetable imports, will probably pose stiff competition in the Canadian market too.

Papaya Objective Yield Survey

We have been conducting this survey on the Big Island to set current production levels for nearly 20 years in partnership with the PAC. To conduct the survey, HASS makes tree and fruit counts in 80 randomly selected orchards at 14-day intervals. The counts are expanded in a model to arrive at a production forecast. Tree counts are made each quarter by laying out a 21 x 21 ft square (approximately .01 acre) and counting the trees in the square. This expansion accounts for the trees that have been lost due to disease, roguing, or storms. The listing summarizes the survey and includes limitations. The partnership with the PAC involves the commitment of resources by both the PAC and HASS. Under this agreement HASS provides:

Maintenance, repairs, garage for PAC pick-up truck,

Research statistician in Honolulu,

Three papaya research aides on Big Island.

In return, the PAC provides:

Pick-up truck lease and insurance,

Field person to identify new growers and locate fields for the Papaya Objective Yield Survey.

Limitations of the survey:

Fruit ripens at differing rates during the year:

Cold: Fruit ripens slower,

Hot: Fruit ripens faster,

Wet followed by hot: Produces skip.

Fruit drop rates are uneven throughout the year.

Only as good as list-building activities for new growers and fields.

We cannot stress enough how important the PAC fieldperson is to the survey. Without this assistance, our producer lists would deteriorate to the point where we could not select a statistically reliable sample for the Objective Yield Survey and we would not be able to continue the survey operations.

Papaya Statistics -- Appendix Table 1

HAWAII PAPAYAS



HAWAII



AGRICULTURAL
STATISTICS
SERVICE

Hawaii Department of Agriculture
U.S. Department of Agriculture

Box 22159, Honolulu, HI 96823-2159
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Frequency: Monthly
Release: September 10, 1993

HIGHLIGHTS:

- **AUGUST FRESH SALES ESTIMATED AT 4.8 MILLION POUNDS**
- **FRESH FARM PRICE PEGGED AT 23.0 CENTS PER POUND**

Fresh papaya production from Hawaii is estimated at 4.8 million pounds for August, 8 percent lower than July but 20 percent higher than August 1992. Year-to-date fresh sales were 1 percent lower than the same 8-month period a year ago.

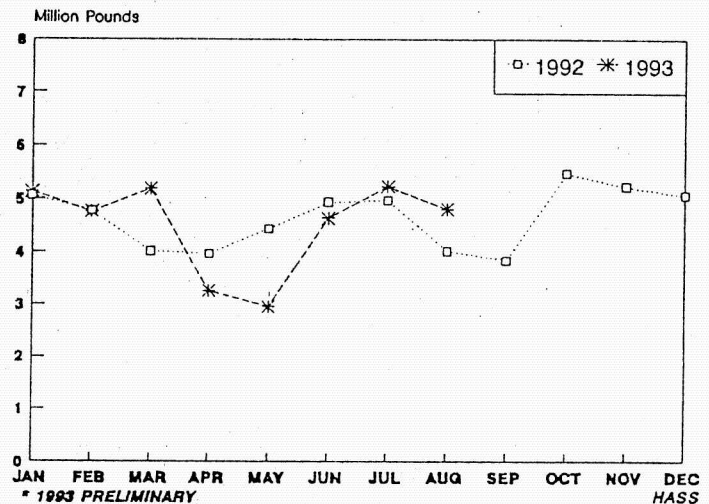
Weather conditions were mixed in August. Sunny skies prevailed during the first and last weeks of August. Showers, heavy at times, and gusty winds occurred at mid-month as two hurricanes passed close to the State.

Area devoted to papaya production is pegged at 3,815 acres, virtually unchanged from last month but 5 percent more than a year ago. Harvested area, totaling 2,575 acres, remained nearly unchanged from July but was 1 percent lower than last August.

Papaya growers are expected to receive an estimated 23.0 cents per pound in August, 5 percent (1.0 cents) higher than July but 1 percent (0.3 cents) lower than a year ago.

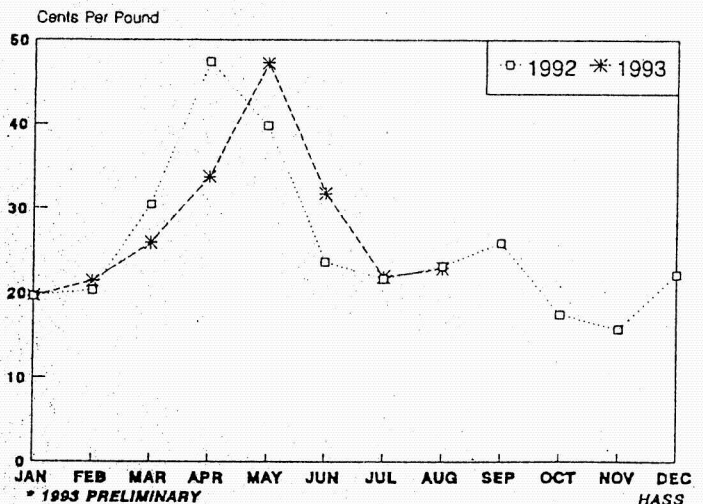
FRESH PAPAYA UTILIZATION

STATE OF HAWAII, 1992-93*



FRESH PAPAYA FARM PRICE

STATE OF HAWAII, 1992-93*



Papaya Statistics – Appendix Table 2

FRESH PAPAYA UTILIZATION, MONTH OF: August 1993

| Island | Sales | | | | Year ago | Year-to-date | |
|-------------------------------------|--------------------|------------|--------------|-------------|----------|--------------|--------|
| | Local ¹ | Intrastate | Out-of-State | Total fresh | | 1992 | 1993 |
| | 1,000 pounds | | | | | | |
| Hawaii..... | 158 | 1,052 | 3,390 | 4,600 | 3,740 | 33,975 | 34,695 |
| Kauai | 19 | 6 | 0 | 25 | 135 | 1,085 | 40 |
| Maui/Molokai/Oahu ² | 175 | 15 | 0 | 190 | 140 | 1,120 | 1,250 |
| State..... | 352 | 1,073 | 3,390 | 4,815 | 4,015 | 36,180 | 35,985 |

¹ On island of production.

² Combined to avoid disclosure of individual operations.

PAPAYA ACREAGE INVENTORY AS OF: August 1993

| Island | Acreage planted in July 1993 | Acreage harvested | | | | Acreage for harvest Sep. 1993 | Total acreage in crop | |
|-------------------------|------------------------------------------|------------------------------------|------------------------------------|-------|--------------|-------------------------------------------|--------------------------|-----------------|
| | | August 1993 | | | Sep. 1992 | | Aug. 1, 1992 | Aug. 1, 1993 |
| | | 1 st year of harvest | 2 nd year of harvest | Total | | | | |
| | | Acres | | | | | | |
| Hawaii..... | NA | 1,125 | 1,300 | 2,425 | 2,585 | 2,445 | 3,390 | 3,525 |
| Kauai | NA | 15 | 0 | 15 | 60 | 20 | 95 | 95 |
| Maui/Molokai/Oahu | NA | 115 | 20 | 135 | 110 | 150 | 140 | 195 |
| State | NA | 1,255 | 1,320 | 2,575 | 2,755 | 2,615 | 3,625 | 3,815 |

NA = Not available.

FRESH PAPAYA FARM PRICE

| Year and place of sale | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Average |
|------------------------|---------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| | | Cents per pound | | | | | | | | | | | | |
| 1992 | All | 19.7 | 20.4 | 30.5 | 47.5 | 39.8 | 23.7 | 21.8 | 23.3 | 26.0 | 17.6 | 15.8 | 22.3 | 25.0 |
| | Local | 23.6 | 25.1 | 30.0 | 45.2 | 32.0 | 25.0 | 24.6 | 25.0 | 34.5 | 20.2 | 16.4 | 26.9 | |
| | Mainland..... | 16.8 | 15.8 | 25.1 | 42.4 | 42.5 | ² 23.2 | ² 20.7 | ² 22.6 | ² 21.8 | ² 16.2 | ² 15.4 | ² 19.7 | |
| | Foreign | 19.4 | 21.1 | 35.3 | 54.1 | 44.1 | ² | ² | ² | ² | ² | ² | ² | |
| 1993 ¹ | All | 19.7 | 21.5 | 26.0 | 33.8 | 47.3 | 31.8 | 22.0 | 23.0 | | | | | |
| | Local | 23.5 | 22.3 | 29.4 | 39.5 | 52.4 | 33.5 | | | | | | | |
| | Mainland..... | ² 17.3 | ² 21.0 | ² 23.8 | ² 31.0 | ² 44.4 | ² 30.9 | | | | | | | |
| | Foreign | ² | ² | ² | ² | ² | ² | | | | | | | |

¹ Preliminary.

² Mainland and foreign combined to avoid disclosure of individual operations.

Papaya Statistics – Appendix Table 3

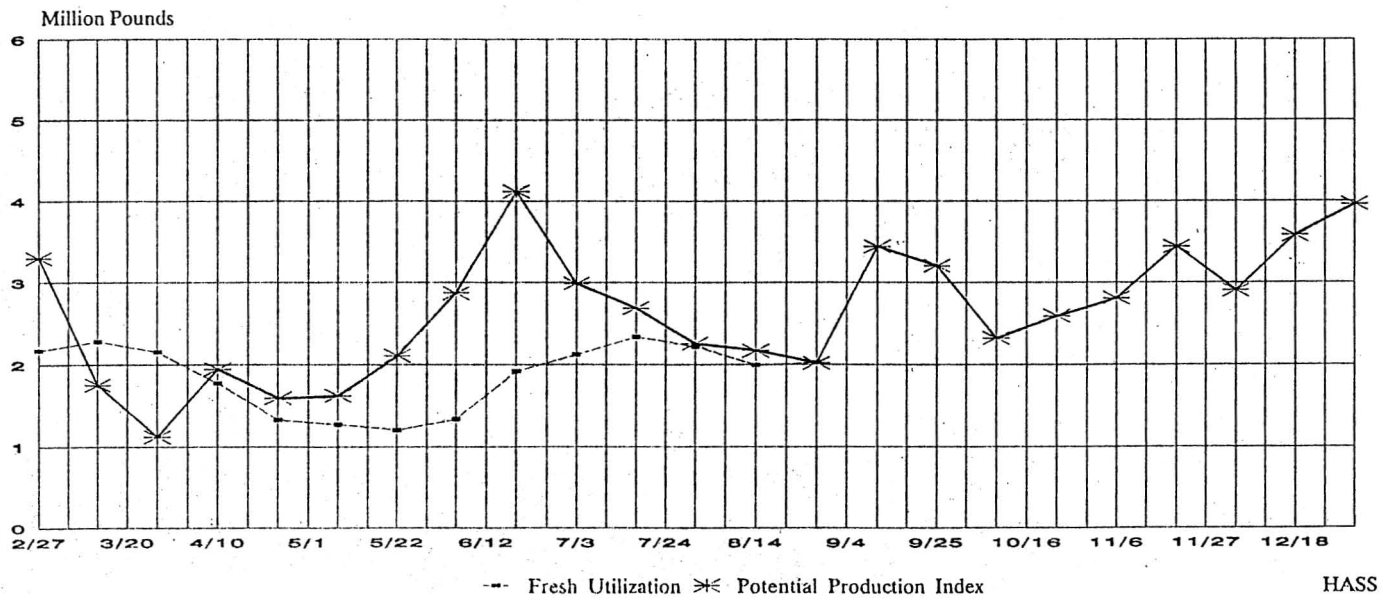
BIWEEKLY HAWAII (BIG ISLAND) POTENTIAL PRODUCTION AND ACTUAL FRESH PAPAYA UTILIZATION

| | LATEST BIWEEKLY PERIODS | | |
|-----------------------------------------------------|-------------------------|----------------|---------------------------|
| | August 1 - 14 | August 15 - 28 | Year-to-Date ³ |
| TOTAL POTENTIAL PRODUCTION ¹ (000 units) | 4,335 | 4,034 | 100,392 |
| ACTUAL FRESH UTILIZATION ² (000 pounds) | 1,994 | 2,024 | 33,507 |
| ACTUAL AS PERCENT OF POTENTIAL | 46.0 | 50.2 | 33.4 |

¹ Represents the potential number of fruit (biological production units) which could be produced during specific two-week intervals. It does not take into account survival rate (fruit drop), thinning, grade out, and other factors which could affect the eventual quantity of actual fresh sales. Index values on the graph were calculated by dividing this number by 2 assuming an average fruit weight of 1 pound.

² Actual sales of fresh fruit. Processed fruit not included.

³ Year-to-date commencing January 1, 1993.



Papaya Statistics – Appendix Table 4

PAPAYAS

PAPAYAS: Number of farms, acreage, yield, utilization, price, and value, by islands, 1988-92 ¹

| Year | Farms ² | Acreage harvested ² | Yield per acre ³ | Utilized production | Utilization | | Price per pound | | | Value of utilized production |
|---------------------|--------------------|--------------------------------|-----------------------------|---------------------|-------------|---------------------|-------------------|------------------------|-------------------|------------------------------|
| | | | | | Fresh | Processed | Fresh | Processed ⁴ | All | |
| | <i>Number</i> | <i>Acres</i> | | <i>1,000 pounds</i> | | | <i>Cents</i> | | | <i>1,000 dollars</i> |
| State | | | | | | | | | | |
| 1988 | 305 | 2,300 | 30.0 | 69,000 | 57,000 | 12,000 | 21.0 | 3.2 | 17.9 | 12,354 |
| 1989 | 325 | 2,500 | 29.6 | 74,000 | 64,000 | 10,000 | 22.0 | 3.0 | 19.4 | 14,380 |
| 1990 | 311 | 2,400 | 28.5 | 68,500 | 58,000 | 10,500 | 25.0 | 2.9 | 21.6 | 14,805 |
| 1991 | 271 | 2,025 | 27.3 | 55,350 | 48,150 | 7,200 | 33.3 | 2.7 | 29.3 | 16,228 |
| 1992 | 259 | 2,415 | 29.5 | 71,300 | 55,800 | 15,500 | 25.0 | 3.0 | 20.2 | 14,415 |
| Hawaii | | | | | | | | | | |
| 1988 | 250 | 2,172 | 30.6 | 66,358 | 54,635 | 11,723 | 20.7 | | 17.6 | 11,656 |
| 1989 | 277 | 2,373 | 30.4 | 72,068 | 62,080 | 9,988 | 21.8 | | 19.2 | 13,825 |
| 1990 | 266 | 2,280 | 29.4 | 67,045 | 56,545 | ⁷ 10,500 | 24.7 | | 21.3 | 14,282 |
| 1991 | 229 | 1,915 | 28.0 | 53,685 | 46,485 | ⁷ 7,200 | 32.8 | | 28.8 | 15,441 |
| 1992 | 213 | 2,275 | 30.1 | 68,455 | 52,955 | ⁷ 15,500 | 24.3 | | 19.5 | 13,350 |
| Kauai | | | | | | | | | | |
| 1988 | 20 | 70 | 19.9 | 1,394 | 1,370 | 24 | ⁶ 28.9 | | ⁶ 26.4 | ⁵ 376 |
| 1989 | 18 | 65 | 15.1 | 982 | 970 | ⁶ 12 | ⁶ 28.9 | | ⁶ 28.7 | ⁵ 289 |
| 1990 | 16 | 50 | 15.8 | 790 | 790 | ⁷ | ⁵ 35.5 | | ⁵ 35.5 | ⁵ 359 |
| 1991 | 16 | 40 | 17.4 | 695 | 695 | ⁷ | ⁵ 42.3 | | ⁵ 41.7 | ⁵ 387 |
| 1992 | 15 | 45 | 25.2 | 1,135 | 1,135 | ⁷ | ⁵ 31.7 | | ⁵ 31.7 | ⁵ 434 |
| Maui/Molokai | | | | | | | | | | |
| 1988 | 5 | 8 | 7.5 | 60 | 60 | 0 | ⁶ | | ⁶ | ⁵ |
| 1989 | 4 | 16 | 9.7 | 155 | 155 | ⁶ | ⁶ | | ⁶ | ⁵ |
| 1990 | 5 | 30 | 7.3 | 220 | 220 | 0 | ⁵ | | ⁵ | ⁵ |
| 1991 | 4 | 30 | 7.3 | 220 | 220 | 0 | ⁵ | | ⁵ | ⁵ |
| 1992 | 5 | 30 | 7.8 | 235 | 235 | 0 | ⁵ | | ⁵ | ⁵ |
| Oahu | | | | | | | | | | |
| 1988 | 30 | 50 | 23.8 | 1,188 | 935 | 253 | ⁶ | | ⁶ | 322 |
| 1989 | 26 | 46 | 17.3 | 795 | 795 | ⁶ | ⁶ | | ⁶ | 266 |
| 1990 | 24 | 40 | 11.1 | 445 | 445 | 0 | 36.8 | | 36.8 | 164 |
| 1991 | 22 | 40 | 18.8 | 750 | 750 | 0 | 53.3 | | 53.3 | 400 |
| 1992 | 26 | 65 | 22.7 | 1,475 | 1,475 | 0 | 42.8 | | 42.8 | 631 |

¹ Sum of island estimates may not add to State total due to rounding.

² Average of monthly estimates.

³ Utilized production divided by acreage harvested.

⁴ Island data not shown separately to avoid disclosure of individual operations.

⁵ Maui and Molokai combined with Kauai to avoid disclosure of individual operations.

⁶ Oahu, Maui and Molokai combined with Kauai to avoid disclosure of individual operations.

⁷ Kauai combined with Hawaii to avoid disclosure of individual operations.

Papaya Statistics – Appendix Table 5

PAPAYAS

PAPAYAS: Acreage, utilization, price, and outshipments, State of Hawaii, 1988-92

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-----------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| Harvested acres ¹ | | | | | | | | | | | | | |
| 1988 | 2,175 | 2,225 | 2,200 | 2,175 | 2,325 | 2,220 | 2,290 | 2,310 | 2,410 | 2,375 | 2,420 | 2,410 | 2,300 |
| 1989 | 2,450 | 2,295 | 2,360 | 2,345 | 2,410 | 2,480 | 2,495 | 2,505 | 2,550 | 2,625 | 2,735 | 2,745 | 2,500 |
| 1990 | 2,675 | 2,560 | 2,490 | 2,435 | 2,365 | 2,370 | 2,405 | 2,175 | 2,220 | 2,405 | 2,420 | 2,285 | 2,400 |
| 1991 | 2,165 | 2,035 | 2,020 | 1,905 | 1,925 | 1,880 | 1,950 | 2,080 | 2,095 | 2,070 | 2,060 | 2,115 | 2,025 |
| 1992 | 2,025 | 2,150 | 2,160 | 2,190 | 2,190 | 2,410 | 2,465 | 2,590 | 2,755 | 2,640 | 2,655 | 2,745 | 2,415 |
| Utilization (fresh and processed) - 1,000 pounds | | | | | | | | | | | | | |
| 1988 | 4,525 | 3,300 | 3,290 | 4,710 | 5,315 | 5,715 | 6,740 | 6,160 | 7,255 | 7,730 | 7,105 | 7,155 | 69,000 |
| 1989 | 5,355 | 4,980 | 5,760 | 6,900 | 6,420 | 6,580 | 6,110 | 6,210 | 5,865 | 6,760 | 6,905 | 6,155 | 74,000 |
| 1990 | 5,605 | 5,020 | 5,720 | 5,810 | 6,860 | 4,995 | 3,415 | 6,790 | 5,595 | 6,150 | 6,675 | 5,865 | 68,500 |
| 1991 | 5,285 | 3,890 | 3,525 | 4,200 | 3,760 | 3,420 | 3,670 | 3,590 | 5,015 | 6,445 | 5,885 | 6,665 | 55,350 |
| 1992 | 6,175 | 6,280 | 5,170 | 5,135 | 5,930 | 7,045 | 7,815 | 5,155 | 4,360 | 6,395 | 6,085 | 5,755 | 71,300 |
| Total fresh papaya utilization - 1,000 pounds | | | | | | | | | | | | | |
| 1988 | 4,030 | 3,000 | 3,100 | 4,340 | 4,340 | 4,580 | 5,470 | 4,930 | 5,820 | 5,835 | 5,665 | 5,890 | 57,000 |
| 1989 | 4,425 | 4,165 | 4,830 | 5,945 | 5,475 | 5,645 | 5,130 | 5,290 | 5,165 | 6,130 | 6,270 | 5,530 | 64,000 |
| 1990 | 5,005 | 4,480 | 4,840 | 4,780 | 5,120 | 4,285 | 3,145 | 6,160 | 4,815 | 5,170 | 5,555 | 4,645 | 58,000 |
| 1991 | 4,665 | 3,365 | 3,155 | 3,890 | 3,350 | 2,895 | 3,290 | 3,205 | 4,460 | 5,380 | 4,820 | 5,675 | 48,150 |
| 1992 | 5,055 | 4,785 | 4,010 | 3,960 | 4,445 | 4,940 | 4,970 | 4,015 | 3,835 | 5,475 | 5,235 | 5,075 | 55,800 |
| Intrastate fresh papaya utilization - 1,000 pounds | | | | | | | | | | | | | |
| 1988 | 1,165 | 971 | 1,034 | 1,360 | 1,443 | 1,415 | 1,532 | 1,548 | 1,559 | 1,593 | 1,638 | 1,617 | 16,875 |
| 1989 | 1,489 | 1,426 | 1,450 | 1,830 | 1,574 | 1,339 | 1,513 | 1,518 | 1,415 | 1,895 | 1,642 | 1,309 | 18,400 |
| 1990 | 1,720 | 1,310 | 1,505 | 1,620 | 1,410 | 930 | 895 | 1,405 | 1,300 | 1,510 | 1,555 | 1,515 | 16,675 |
| 1991 | 1,400 | 1,160 | 965 | 1,040 | 1,000 | 865 | 910 | 1,130 | 1,455 | 1,525 | 1,525 | 1,625 | 14,600 |
| 1992 | 1,560 | 1,590 | 1,415 | 1,505 | 1,345 | 1,340 | 1,330 | 1,210 | 1,265 | 1,940 | 1,990 | 1,800 | 18,290 |
| Outshipments of fresh papayas - 1,000 pounds | | | | | | | | | | | | | |
| 1988 | 2,865 | 2,029 | 2,066 | 2,980 | 2,897 | 3,165 | 3,938 | 3,382 | 4,261 | 4,242 | 4,027 | 4,273 | 40,125 |
| 1989 | 2,936 | 2,739 | 3,380 | 4,115 | 3,901 | 4,306 | 3,617 | 3,772 | 3,750 | 4,235 | 4,628 | 4,221 | 45,600 |
| 1990 | 3,285 | 3,170 | 3,335 | 3,160 | 3,710 | 3,355 | 2,250 | 4,755 | 3,515 | 3,660 | 4,000 | 3,130 | 41,325 |
| 1991 | 3,265 | 2,205 | 2,190 | 2,850 | 2,350 | 2,030 | 2,380 | 2,075 | 3,005 | 3,855 | 3,295 | 4,050 | 33,550 |
| 1992 | 3,495 | 3,195 | 2,595 | 2,455 | 3,100 | 3,600 | 3,640 | 2,805 | 2,570 | 3,535 | 3,245 | 3,275 | 37,510 |
| Farm price for fresh market sales (to all markets) - cents per pound | | | | | | | | | | | | | |
| 1988 | 18.9 | 28.6 | 39.2 | 36.0 | 22.8 | 20.4 | 18.8 | 18.2 | 16.3 | 15.3 | 14.9 | 16.8 | 21.0 |
| 1989 | 22.0 | 25.4 | 27.7 | 29.0 | 25.3 | 21.1 | 20.7 | 21.6 | 19.8 | 20.0 | 16.2 | 16.9 | 22.0 |
| 1990 | 21.2 | 22.3 | 26.7 | 33.0 | 23.3 | 35.9 | 42.3 | 23.7 | 18.1 | 20.9 | 20.6 | 20.4 | 25.0 |
| 1991 | 24.6 | 32.3 | 42.1 | 48.7 | 51.0 | 52.4 | 54.9 | 36.8 | 23.4 | 18.6 | 21.2 | 23.0 | 33.3 |
| 1992 | 19.7 | 20.4 | 30.5 | 47.5 | 39.8 | 23.7 | 21.8 | 23.3 | 26.0 | 17.6 | 15.8 | 22.3 | 25.0 |

¹ Total is average of monthly data.